
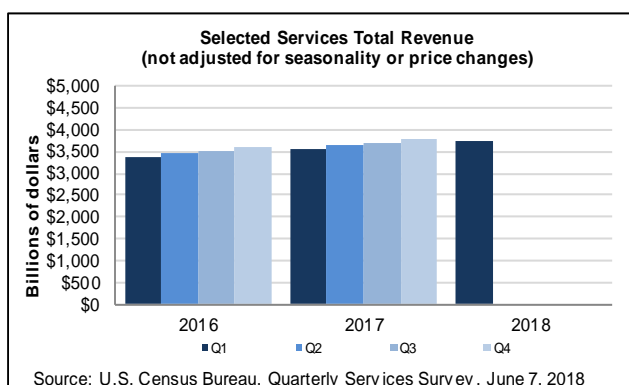


## QUARTERLY SELECTED SERVICES ESTIMATES, FIRST QUARTER 2018

Release Number: CB18-93

**June 7, 2018** — The U.S. Census Bureau announced the following selected services estimates for the first calendar quarter of 2018:

 <b>SELECTED SERVICES TOTAL REVENUE</b>		
<b>1Q 2018</b>	<b>\$3,746.4 billion</b>	<b>-1.2 %</b>
<b>4Q 2017</b>	<b>\$3,793.7 billion</b>	<b>+2.4 %</b>
<b>Next release: August 17, 2018</b>		
Data are not adjusted for seasonality or price changes. Source: U.S. Census Bureau, Quarterly Services Survey, June 7, 2018		



### Selected Services Total

U.S. selected services total revenue for the first quarter of 2018, not adjusted for seasonal variation or price changes, was \$3,746.4 billion, a decrease of 1.2 percent ( $\pm 0.4$  percent) from the fourth quarter of 2017 and up 5.2 percent ( $\pm 0.6$  percent) from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of -1.1 percent ( $\pm 0.4$  percent).

### Information

U.S. information sector revenue for the first quarter of 2018, adjusted for seasonal variation but not for price changes, was \$413.2 billion, an increase of 1.7 percent ( $\pm 0.6$  percent) from the fourth quarter of 2017 and up 7.0 percent ( $\pm 0.9$  percent) from the first quarter of 2017. The third quarter of 2017 to fourth quarter of 2017 percentage change was revised from 1.3 percent ( $\pm 0.6$  percent) to 1.5 percent ( $\pm 0.6$  percent).

### Professional, scientific, and technical services

U.S. professional, scientific, and technical services revenue for the first quarter of 2018, adjusted for seasonal variation but not for price changes, was \$450.3 billion, an increase of 1.1 percent ( $\pm 1.1$  percent)\* from the fourth quarter of 2017 and up 2.5 percent ( $\pm 1.3$  percent) from the first quarter of 2017. The third quarter of 2017 to fourth quarter of 2017 percentage change was revised from 1.1 percent ( $\pm 1.1$  percent)\* to 1.3 percent ( $\pm 1.1$  percent).

### Administrative and support and waste management and remediation services

U.S. administrative and support and waste management and remediation services revenue for the first quarter of 2018, adjusted for seasonal variation but not for price changes, was \$243.5 billion, an increase of 0.9 percent ( $\pm 1.3$  percent)\* from the fourth quarter of 2017 and up 4.5 percent ( $\pm 1.9$  percent) from the first quarter of 2017. The third quarter of 2017 to fourth quarter of 2017 percentage change was revised from

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0.8 percent ( $\pm 1.1$  percent)\* to 0.8 percent ( $\pm 1.3$  percent)\*.

### **Utilities**

U.S. utilities revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$157.4 billion, an increase of 9.1 percent ( $\pm 1.9$  percent) from the fourth quarter of 2017 and up 5.1 percent ( $\pm 0.9$  percent) from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was not revised from the advance estimate.

### **Transportation and warehousing**

U.S. transportation and warehousing revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$224.3 billion, a decrease of 2.3 percent ( $\pm 0.6$  percent) from the fourth quarter of 2017 and up 4.7 percent ( $\pm 0.9$  percent) from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of -2.0 percent ( $\pm 1.1$  percent).

### **Finance and insurance**

U.S. finance and insurance revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$1,195.0 billion, an increase of 2.3 percent ( $\pm 0.6$  percent) from the fourth quarter of 2017 and up 7.8 percent ( $\pm 0.8$  percent) from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of 2.2 percent ( $\pm 0.6$  percent).

### **Real estate and rental and leasing**

U.S. real estate and rental and leasing revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$164.3 billion, a decrease of 6.1 percent ( $\pm 0.8$  percent) from the fourth quarter of 2017 and up 4.7 percent ( $\pm 1.7$  percent) from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of -5.8 percent ( $\pm 0.9$  percent).

### **Educational services**

U.S. educational services revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$17.0 billion, an increase of 0.4 percent ( $\pm 4.2$  percent)\* from the fourth quarter of 2017 and up 4.2 percent ( $\pm 4.4$  percent)\* from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of 0.0 percent ( $\pm 4.2$  percent)\*.

### **Health care and social assistance**

U.S. health care and social assistance revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$645.0 billion, a decrease of 1.0 percent ( $\pm 0.4$  percent) from the fourth quarter of 2017 and up 3.4 percent ( $\pm 0.9$  percent) from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of -0.9 percent ( $\pm 0.4$  percent).

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## **Arts, entertainment, and recreation**

U.S. arts, entertainment, and recreation revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$61.2 billion, a decrease of 11.6 percent ( $\pm 2.3$  percent) from the fourth quarter of 2017 and up 2.1 percent ( $\pm 3.6$  percent)\* from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of -10.9 percent ( $\pm 2.3$  percent).

## **Accommodation**

U.S. accommodation revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$59.1 billion, a decrease of 1.0 percent ( $\pm 0.9$  percent) from the fourth quarter of 2017 and down 2.2 percent ( $\pm 2.1$  percent) from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of -1.7 percent ( $\pm 0.9$  percent).

## **Other services (except public administration)**

U.S. other services (except public administration) revenue for the first quarter of 2018, not adjusted for seasonal variation, or price changes, was \$136.1 billion, a decrease of 14.3 percent ( $\pm 4.7$  percent) from the fourth quarter of 2017 and up 2.0 percent ( $\pm 4.2$  percent)\* from the first quarter of 2017. The fourth quarter of 2017 to first quarter of 2018 percentage change was revised from the advance estimate of -13.9 percent ( $\pm 4.5$  percent).

## **GENERAL INFORMATION**

### **Intention to Expand Seasonal Adjustment**

Beginning with the February 2019 advance release for the fourth quarter of 2018, we anticipate the introduction of new seasonally adjusted estimates of Selected Services Total revenue into the Advance Quarterly Services Report. Beginning with the March 2019 release for the fourth quarter of 2018, we anticipate the introduction of new seasonally adjusted estimates of Selected Services Total revenue and revenue for selected industries within NAICS sectors 22, 48-49, 51, and 54 into the Full Quarterly Services Report. For more information, please visit our seasonal adjustment FAQs:

[<https://www.census.gov/services/qss/seasonally\\_adjusted\\_faqs.html>.](https://www.census.gov/services/qss/seasonally_adjusted_faqs.html)

### **Upcoming Benchmarking**

Effective with the February 2019 release for the fourth quarter of 2018, quarterly services estimates will be revised based on the results of the 2017 Service Annual Survey.

### **Release Schedule**

The second quarter 2018 Advance Quarterly Services Report is scheduled for release on August 17, 2018, at 10:00 A.M. View the full schedule in the Economic Briefing Room: [<www.census.gov/economic-indicators/>.](http://www.census.gov/economic-indicators/) Additional industry detail and estimates of revenue, expenses, inpatient days, and discharges can be found at [<www.census.gov/services/>.](http://www.census.gov/services/)

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## RESOURCES

### API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before. [www.census.gov/developers/](http://www.census.gov/developers/)

### FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <https://fred.stlouisfed.org/fred-mobile/> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

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\*The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

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**Table 1a. Selected Services - Estimated Quarterly Revenue for Employer Firms, Seasonally Adjusted<sup>1</sup>**

[Estimates are adjusted for seasonal variation but not for price change and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>2</sup>	Kind of business	Total revenue (millions of dollars)						Percent change					
		1Q 2018 (p)	4Q 2017 (r)	3Q 2017 (r)	2Q 2017 (r)	1Q 2017 (r)	4Q 2016 (r)	1Q 2018 from 4Q 2017 (p)	4Q 2017 from 3Q 2017 (r)	3Q 2017 from 2Q 2017 (r)	2Q 2017 from 1Q 2017 (r)	1Q 2018 from 1Q 2017 (p)	4Q 2017 from 4Q 2016 (r)
<b>51</b>	<b>Information .....</b>	<b>413,240</b>	<b>406,213</b>	<b>400,374</b>	<b>392,281</b>	<b>386,384</b>	<b>381,226</b>	<b>1.7</b>	<b>1.5</b>	<b>2.1</b>	<b>1.5</b>	<b>7.0</b>	<b>6.6</b>
5112	Software publishers.....	65,397	59,608	61,537	58,223	56,491	55,082	9.7	-3.1	5.7	3.1	15.8	8.2
512	Motion picture and sound recording industries .....	27,159	26,490	26,721	26,604	26,792	25,781	2.5	-0.9	0.4	-0.7	1.4	2.8
<b>54</b>	<b>Professional, scientific, and technical services<sup>3</sup> .....</b>	<b>450,303</b>	<b>445,357</b>	<b>439,478</b>	<b>438,989</b>	<b>439,198</b>	<b>437,859</b>	<b>1.1</b>	<b>1.3</b>	<b>0.1</b>	<b>Z</b>	<b>2.5</b>	<b>1.7</b>
5411	Legal services <sup>3</sup> .....	74,441	74,496	71,754	72,689	73,109	73,647	-0.1	3.8	-1.3	-0.6	1.8	1.2
5412	Accounting, tax preparation, bookkeeping, and payroll services .....	45,115	44,450	42,915	44,167	43,899	42,883	1.5	3.6	-2.8	0.6	2.8	3.7
<b>56</b>	<b>Administrative and support and waste management and remediation services<sup>4</sup> .....</b>	<b>243,461</b>	<b>241,309</b>	<b>239,369</b>	<b>236,287</b>	<b>232,902</b>	<b>225,890</b>	<b>0.9</b>	<b>0.8</b>	<b>1.3</b>	<b>1.5</b>	<b>4.5</b>	<b>6.8</b>
5613	Employment services .....	97,128	96,602	97,936	96,034	95,128	90,375	0.5	-1.4	2.0	1.0	2.1	6.9
5615	Travel arrangement and reservation services .....	10,929	11,063	11,492	11,084	11,104	11,016	-1.2	-3.7	3.7	-0.2	-1.6	0.4
561 pt	Other administrative and support services <sup>5</sup> .....	111,079	109,765	106,073	105,448	102,997	100,917	1.2	3.5	0.6	2.4	7.8	8.8
562	Waste management and remediation services .....	24,325	23,879	23,868	23,721	23,673	23,582	1.9	Z	0.6	0.2	2.8	1.3
<b>622</b>	<b>Hospitals.....</b>	<b>279,505</b>	<b>279,566</b>	<b>276,414</b>	<b>271,900</b>	<b>271,729</b>	<b>270,872</b>	<b>Z</b>	<b>1.1</b>	<b>1.7</b>	<b>0.1</b>	<b>2.9</b>	<b>3.2</b>

(p) Preliminary estimate. (r) Revised estimate. Z Absolute value is less than .05.

(1) The seasonal factors are based on a short time series that may not have stable seasonal patterns. As more estimates are added to the time series, large revisions in seasonal factors and consequently historical estimates may be observed. Data users should exercise caution when drawing inferences based on the seasonally adjusted estimates. Unless otherwise specified, seasonally adjusted estimates are obtained using a direct seasonal adjustment at the published NAICS (North American Industry Classification System) level.

(2) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/eos/www/naics/](http://www.census.gov/eos/www/naics/).

(3) Excludes NAICS 54112 (Offices of notaries).

(4) Seasonally adjusted estimates for NAICS 56 are obtained by summing the seasonally adjusted estimates for 5613, 5615, 561pt, and 562.

(5) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table 2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qss/cv.html](http://www.census.gov/services/qss/cv.html).

**Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

 [Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		1Q 2018 (p)	4Q 2017	3Q 2017	2Q 2017	1Q 2017	4Q 2016	1Q 2018 from 4Q 2017 (p)	4Q 2017 from 3Q 2017	1Q 2018 from 1Q 2017 (p)	4Q 2017 from 4Q 2016	2018 (p)	2017	2018 from 2017 (p)
	<b>Selected Services Total<sup>2</sup></b> .....	<b>3,746,390</b>	<b>3,793,685</b>	<b>3,704,477</b>	<b>3,667,361</b>	<b>3,561,457</b>	<b>3,606,206</b>	<b>-1.2</b>	<b>2.4</b>	<b>5.2</b>	<b>5.2</b>	<b>3,746,390</b>	<b>3,561,457</b>	<b>5.2</b>
<b>22</b>	<b>Utilities<sup>3</sup></b> .....	<b>157,428</b>	<b>144,325</b>	<b>156,994</b>	<b>138,066</b>	<b>149,842</b>	<b>140,851</b>	<b>9.1</b>	<b>-8.1</b>	<b>5.1</b>	<b>2.5</b>	<b>157,428</b>	<b>149,842</b>	<b>5.1</b>
2211	Electric power generation, transmission and distribution .....	112,370	109,284	134,196	113,059	110,521	110,237	2.8	-18.6	1.7	-0.9	112,370	110,521	1.7
2212	Natural gas distribution .....	41,636	31,332	18,472	21,352	36,018	27,037	32.9	69.6	15.6	15.9	41,636	36,018	15.6
2213	Water, sewage and other systems .....	3,422	3,709	4,326	3,655	3,303	3,577	-7.7	-14.3	3.6	3.7	3,422	3,303	3.6
<b>48-49</b>	<b>Transportation and warehousing<sup>4</sup></b> .....	<b>224,292</b>	<b>229,542</b>	<b>232,174</b>	<b>231,425</b>	<b>214,154</b>	<b>222,706</b>	<b>-2.3</b>	<b>-1.1</b>	<b>4.7</b>	<b>3.1</b>	<b>224,292</b>	<b>214,154</b>	<b>4.7</b>
481	Air transportation .....	47,870	49,306	52,351	52,592	45,822	48,559	-2.9	-5.8	4.5	1.5	47,870	45,822	4.5
483	Water transportation .....	10,721	11,142	12,968	10,664	10,006	10,490	-3.8	-14.1	7.1	6.2	10,721	10,006	7.1
4831	Deep sea, coastal, and Great Lakes water transportation .....	8,977	9,171	11,012	8,831	8,102	8,433	-2.1	-16.7	10.8	8.8	8,977	8,102	10.8
4832	Inland water transportation .....	1,744	1,971	1,956	1,833	1,904	2,057	-11.5	0.8	-8.4	-4.2	1,744	1,904	-8.4
484	Truck transportation .....	65,722	66,785	69,168	68,512	62,497	64,687	-1.6	-3.4	5.2	3.2	65,722	62,497	5.2
4841	General freight trucking .....	43,180	43,255	44,067	43,470	40,501	42,102	-0.2	-1.8	6.6	2.7	43,180	40,501	6.6
48412	General freight trucking, long-distance .....	36,963	36,903	37,112	36,142	33,879	35,631	0.2	-0.6	9.1	3.6	36,963	33,879	9.1
4842	Specialized freight trucking .....	22,542	23,530	25,101	25,042	21,996	22,585	-4.2	-6.3	2.5	4.2	22,542	21,996	2.5
485	Transit and ground passenger transportation .....	9,173	9,656	8,522	9,826	9,286	9,549	-5.0	13.3	-1.2	1.1	9,173	9,286	-1.2
486	Pipeline transportation .....	12,549	12,522	11,319	11,098	11,620	11,683	0.2	10.6	8.0	7.2	12,549	11,620	8.0
487	Scenic and sightseeing transportation .....	620	833	1,742	1,077	544	728	-25.6	-52.2	14.0	14.4	620	544	14.0
488	Support activities for transportation .....	45,611	45,835	45,439	47,036	44,660	45,906	-0.5	0.9	2.1	-0.2	45,611	44,660	2.1
492	Couriers and messengers .....	22,661	23,727	21,334	21,410	20,939	22,508	-4.5	11.2	8.2	5.4	22,661	20,939	8.2
493	Warehousing and storage .....	9,365	9,736	9,331	9,210	8,780	8,596	-3.8	4.3	6.7	13.3	9,365	8,780	6.7
<b>51</b>	<b>Information</b> .....	<b>407,041</b>	<b>424,086</b>	<b>392,767</b>	<b>388,358</b>	<b>380,588</b>	<b>398,000</b>	<b>-4.0</b>	<b>8.0</b>	<b>7.0</b>	<b>6.6</b>	<b>407,041</b>	<b>380,588</b>	<b>7.0</b>
511	Publishing industries (except Internet) .....	85,525	89,512	81,595	80,539	76,561	83,812	-4.5	9.7	11.7	6.8	85,525	76,561	11.7
51111	Newspaper publishers .....	5,735	6,640	5,819	6,016	5,847	6,664	-13.6	14.1	-1.9	-0.4	5,735	5,847	-1.9
51112	Periodical publishers .....	S	7,164	6,893	7,036	6,523	7,444	S	3.9	S	-3.8	S	6,523	S
5111 pt	Book, directory and mailing list, and other publishers <sup>5</sup> .....	8,825	10,854	11,161	9,963	8,547	9,775	-18.7	-2.8	3.3	11.0	8,825	8,547	3.3
5112	Software publishers .....	64,481	64,854	57,722	57,524	55,644	59,929	-0.6	12.4	15.9	8.2	64,481	55,644	15.9
512	Motion picture and sound recording industries .....	27,675	28,106	25,492	25,726	27,167	27,457	-1.5	10.3	1.9	2.4	27,675	27,167	1.9
515	Broadcasting (except Internet) .....	42,111	44,281	38,915	39,868	39,409	42,841	-4.9	13.8	6.9	3.4	42,111	39,409	6.9
5151	Radio and television broadcasting .....	20,034	21,628	18,021	18,807	18,577	21,480	-7.4	20.0	7.8	0.7	20,034	18,577	7.8
5152	Cable and other subscription programming .....	22,077	22,653	20,894	21,061	20,832	21,361	-2.5	8.4	6.0	6.0	22,077	20,832	6.0
517	Telecommunications .....	159,700	165,097	159,801	158,897	157,136	162,849	-3.3	3.3	1.6	1.4	159,700	157,136	1.6
5171	Wired telecommunications carriers .....	81,788	83,320	82,619	82,639	81,964	82,976	-1.8	0.8	-0.2	0.4	81,788	81,964	-0.2
5172	Wireless telecommunications carriers (except satellite) .....	65,711	69,814	65,398	64,955	64,102	68,690	-5.9	6.8	2.5	1.6	65,711	64,102	2.5
517 pt	Other telecommunications <sup>6</sup> .....	12,201	11,963	11,784	11,303	11,070	11,183	2.0	1.5	10.2	7.0	12,201	11,070	10.2
518	Data processing, hosting, and related services .....	43,573	44,251	40,977	39,029	37,309	37,752	-1.5	8.0	16.8	17.2	43,573	37,309	16.8
519	Other information services .....	48,457	52,839	45,987	44,299	43,006	43,289	-8.3	14.9	12.7	22.1	48,457	43,006	12.7
<b>52</b>	<b>Finance and insurance<sup>7</sup></b> .....	<b>1,195,008</b>	<b>1,168,395</b>	<b>1,143,556</b>	<b>1,134,023</b>	<b>1,108,194</b>	<b>1,095,295</b>	<b>2.3</b>	<b>2.2</b>	<b>7.8</b>	<b>6.7</b>	<b>1,195,008</b>	<b>1,108,194</b>	<b>7.8</b>
52 pt	Finance and insurance (except monetary authorities-central bank) <sup>8</sup> .....	1,165,656	1,139,230	1,115,132	1,104,004	1,079,037	1,070,247	2.3	2.2	8.0	6.4	1,165,656	1,079,037	8.0
521	Monetary authorities-central bank .....	29,352	29,165	28,424	30,019	29,157	25,048	0.6	2.6	0.7	16.4	29,352	29,157	0.7
522	Credit intermediation and related activities .....	323,173	318,489	313,348	306,019	295,779	296,296	1.5	1.6	9.3	7.5	323,173	295,779	9.3
5221	Depository credit intermediation .....	149,866	147,116	143,354	139,864	133,415	133,995	1.9	2.6	12.3	9.8	149,866	133,415	12.3
5222	Nondepository credit intermediation .....	148,074	144,722	144,518	140,740	138,014	137,792	2.3	0.1	7.3	5.0	148,074	138,014	7.3
5223	Activities related to credit intermediation .....	25,233	26,651	25,476	25,415	24,350	24,509	-5.3	4.6	3.6	8.7	25,233	24,350	3.6
523	Securities, commodity contracts, and other financial investments and related activities .....	180,371	171,238	164,473	163,086	163,799	156,614	5.3	4.1	10.1	9.3	180,371	163,799	10.1
5231	Securities and commodity contracts intermediation and brokerage .....	84,687	72,774	72,321	72,866	74,330	68,436	16.4	0.6	13.9	6.3	84,687	74,330	13.9
5232	Securities and commodity exchanges .....	3,617	3,044	2,997	3,127	3,116	2,906	18.8	1.6	16.1	4.7	3,617	3,116	16.1
5239	Other financial investment activities .....	92,067	95,420	89,155	87,093	86,353	85,272	-3.5	7.0	6.6	11.9	92,067	86,353	6.6
524	Insurance carriers and related activities .....	662,112	649,503	637,311	634,899	619,459	617,337	1.9	1.9	6.9	5.2	662,112	619,459	6.9
5241	Insurance carriers .....	567,092	555,702	546,717	545,809	531,335	530,571	2.0	1.6	6.7	4.7	567,092	531,335	6.7
5242	Agencies, brokerages, and other insurance related activities .....	95,020	93,801	90,594	89,090	88,124	86,766	1.3	3.5	7.8	8.1	95,020	88,124	7.8
<b>53</b>	<b>Real estate and rental and leasing</b> .....	<b>164,296</b>	<b>175,042</b>	<b>172,036</b>	<b>170,428</b>	<b>156,908</b>	<b>163,508</b>	<b>-6.1</b>	<b>1.7</b>	<b>4.7</b>	<b>7.1</b>	<b>164,296</b>	<b>156,908</b>	<b>4.7</b>
531	Real estate .....	113,266	120,940	119,396	118,963	109,704	113,372	-6.3	1.3	3.2	6.7	113,266	109,704	3.2
5311	Lessors of real estate .....	67,790	68,480	66,905	65,915	64,365	64,653	-1.0	2.4	5.3	5.9	67,790	64,365	5.3
5312	Offices of real estate agents and brokers .....	22,805	29,009	29,256	30,046	23,316	26,175	-21.4	-0.8	-2.2	10.8	22,805	23,316	-2.2
5313	Activities related to real estate .....	22,671	23,451	23,235	23,002	22,023	22,544	-3.3	0.9	2.9	4.0	22,671	22,023	2.9
532	Rental and leasing services .....	40,669	42,152	42,029	40,920	37,679	38,886	-3.5	0.3	7.9	8.4	40,669	37,679	7.9
5321	Automotive equipment rental and leasing .....	14,273	14,875	15,755	14,598	13,363	14,240	-4.0	-5.6	6.8	4.5	14,273	13,363	6.8
53211	Passenger car rental and leasing .....	9,493	9,817	10,616	9,641	8,988	9,551	-3.3	-7.5	5.6	2.8	9,493	8,988	5.6
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing .....	4,780	5,058	5,139	4,957	4,375	4,689	-5.5	-1.6	9.3	7.9	4,780	4,375	9.3
5322	Consumer goods rental .....	5,364	5,398	5,623	5,828	5,656	5,503	-0.6	-4.0	-5.2	-1.9	5,364	5,656	-5.2
5323	General rental centers .....	S	S	S	S	S	S	S	S	S	S	S	S	S
5324	Commercial and industrial machinery and equipment rental and leasing .....	20,364	21,034	19,791	19,687	18,077	18,480	-3.2	6.3	12.7	13.8	20,364	18,077	12.7
533	Lessors of nonfinancial intangible assets (except copyrighted works) .....	10,361	11,950	10,611	10,545	9,525	11,250	-13.3	12.6	8.8	6.2	10,361	9,525	8.8



**Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**

 [Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		1Q 2018 (p)	4Q 2017	3Q 2017	2Q 2017	1Q 2017	4Q 2016	1Q 2018 from 4Q 2017 (p)	4Q 2017 from 3Q 2017	1Q 2018 from 1Q 2017 (p)	4Q 2017 from 4Q 2016	2018 (p)	2017	2018 from 2017 (p)
<b>54</b>	<b>Professional, scientific, and technical services <sup>9</sup></b>	<b>442,648</b>	<b>453,819</b>	<b>435,083</b>	<b>442,940</b>	<b>430,853</b>	<b>446,178</b>	<b>-2.5</b>	<b>4.3</b>	<b>2.7</b>	<b>1.7</b>	<b>442,648</b>	<b>430,853</b>	<b>2.7</b>
5411	Legal services <sup>9</sup>	66,550	83,808	71,323	71,889	65,213	82,632	-20.6	17.5	2.1	1.4	66,550	65,213	2.1
5412	Accounting, tax preparation, bookkeeping, and payroll services	53,191	38,405	38,023	47,347	51,625	37,051	38.5	1.0	3.0	3.7	53,191	51,625	3.0
5413	Architectural, engineering, and related services	77,140	75,059	77,260	75,448	73,986	77,270	2.8	-2.8	4.3	-2.9	77,140	73,986	4.3
5413 pt	Architectural and related services <sup>10</sup>	16,780	15,982	17,031	17,573	17,121	18,136	5.0	-6.2	-2.0	-11.9	16,780	17,121	-2.0
54133	Engineering services	60,360	59,077	60,229	57,875	56,865	59,134	2.2	-1.9	6.1	-0.1	60,360	56,865	6.1
5414	Specialized design services	5,484	6,167	5,895	6,202	5,861	6,142	-11.1	4.6	-6.4	0.4	5,484	5,861	-6.4
5415	Computer systems design and related services	95,174	97,025	95,877	96,681	93,045	93,813	-1.9	1.2	2.3	3.4	95,174	93,045	2.3
5416	Management, scientific, and technical consulting services	66,123	69,324	67,154	64,782	63,475	65,449	-4.6	3.2	4.2	5.9	66,123	63,475	4.2
5417	Scientific research and development services	33,466	35,631	33,376	33,159	32,408	36,098	-6.1	6.8	3.3	-1.3	33,466	32,408	3.3
5418	Advertising, public relations, and related services	25,382	28,113	26,111	26,654	25,815	27,017	-9.7	7.7	-1.7	4.1	25,382	25,815	-1.7
5419	Other professional, scientific, and technical services	20,138	20,287	20,064	20,778	19,425	20,706	-0.7	1.1	3.7	-2.0	20,138	19,425	3.7
<b>56</b>	<b>Administrative and support and waste management and remediation services</b>	<b>237,262</b>	<b>242,518</b>	<b>242,443</b>	<b>237,833</b>	<b>227,159</b>	<b>227,239</b>	<b>-2.2</b>	<b>Z</b>	<b>4.4</b>	<b>6.7</b>	<b>237,262</b>	<b>227,159</b>	<b>4.4</b>
561	Administrative and support services	214,153	218,782	217,835	213,519	204,693	203,751	-2.1	0.4	4.6	7.4	214,153	204,693	4.6
5613	Employment services	97,225	99,790	97,055	93,441	95,318	93,628	-2.6	2.8	2.0	6.6	97,225	95,318	2.0
5615	Travel arrangement and reservation services	10,514	10,654	12,055	11,361	10,704	10,619	-1.3	-11.6	-1.8	0.3	10,514	10,704	-1.8
561 pt	Other administrative and support services <sup>11</sup>	106,414	108,338	108,725	108,717	98,671	99,504	-1.8	-0.4	7.8	8.9	106,414	98,671	7.8
562	Waste management and remediation services	23,109	23,736	24,608	24,314	22,466	23,488	-2.6	-3.5	2.9	1.1	23,109	22,466	2.9
<b>61</b>	<b>Educational services <sup>12</sup></b>	<b>17,009</b>	<b>16,933</b>	<b>17,010</b>	<b>17,601</b>	<b>16,317</b>	<b>15,725</b>	<b>0.4</b>	<b>-0.5</b>	<b>4.2</b>	<b>7.7</b>	<b>17,009</b>	<b>16,317</b>	<b>4.2</b>
6114	Business schools and computer and management training	3,133	3,243	3,377	3,152	3,002	2,940	-3.4	-4.0	4.4	10.3	3,133	3,002	4.4
6115	Technical and trade schools	3,471	3,545	3,510	3,423	3,439	3,472	-2.1	1.0	0.9	2.1	3,471	3,439	0.9
6116	Other schools and instruction	6,898	6,457	6,356	S	S	5,934	6.8	1.6	S	8.8	6,898	S	S
6117	Educational support services	3,507	3,688	3,767	4,392	3,539	3,379	-4.9	-2.1	-0.9	9.1	3,507	3,539	-0.9
<b>62</b>	<b>Health care and social assistance</b>	<b>645,013</b>	<b>651,331</b>	<b>629,339</b>	<b>630,404</b>	<b>623,667</b>	<b>626,547</b>	<b>-1.0</b>	<b>3.5</b>	<b>3.4</b>	<b>4.0</b>	<b>645,013</b>	<b>623,667</b>	<b>3.4</b>
621	Ambulatory health care services	258,725	259,209	252,369	251,942	246,744	247,601	-0.2	2.7	4.9	4.7	258,725	246,744	4.9
6211	Offices of physicians	126,659	127,996	124,070	122,757	119,725	122,967	-1.0	3.2	5.8	4.1	126,659	119,725	5.8
6212	Offices of dentists	33,083	30,837	30,888	31,325	S	S	7.3	-0.2	S	S	33,083	S	S
6213	Offices of other health practitioners	21,481	21,871	21,513	S	21,138	20,783	-1.8	1.7	1.6	5.2	21,481	21,138	1.6
6214	Outpatient care centers	34,811	35,197	33,505	33,940	33,502	33,610	-1.1	5.0	3.9	4.7	34,811	33,502	3.9
6215	Medical and diagnostic laboratories	12,466	12,862	12,549	12,626	12,319	12,418	-3.1	2.5	1.2	3.6	12,466	12,319	1.2
6216	Home health care services	20,845	20,977	20,309	20,309	19,856	19,919	-0.6	3.3	5.0	5.3	20,845	19,856	5.0
6219	Other ambulatory health care services	9,380	9,469	9,535	9,093	8,729	8,766	-0.9	-0.7	7.5	8.0	9,380	8,729	7.5
622	Hospitals	280,623	281,243	272,268	273,259	273,088	272,226	-0.2	3.3	2.8	3.3	280,623	273,088	2.8
6221	General medical and surgical hospitals	261,104	262,147	253,491	254,543	254,750	254,118	-0.4	3.4	2.5	3.2	261,104	254,750	2.5
6222	Psychiatric and substance abuse hospitals	6,642	6,463	6,167	6,251	6,327	6,304	2.8	4.8	5.0	2.5	6,642	6,327	5.0
6223	Specialty (except psychiatric and substance abuse)	12,877	12,633	12,610	12,465	12,011	11,804	1.9	0.2	7.2	7.0	12,877	12,011	7.2
623	Nursing and residential care facilities	60,252	61,992	60,356	59,028	58,472	59,831	-2.8	2.7	3.0	3.6	60,252	58,472	3.0
624	Social assistance	45,413	48,887	44,346	46,175	45,363	46,889	-7.1	10.2	0.1	4.3	45,413	45,363	0.1
6241	Individual and family services	23,654	24,830	22,848	24,303	23,667	23,563	-4.7	8.7	-0.1	5.4	23,654	23,667	-0.1
6242	Community food and housing, and emergency and other relief services	7,470	9,640	8,369	8,212	8,062	9,589	-22.5	15.2	-7.3	0.5	7,470	8,062	-7.3
6243	Vocational rehabilitation services	3,468	3,583	3,587	3,537	3,393	3,502	-3.2	-0.1	2.2	2.3	3,468	3,393	2.2
6244	Child day care services	10,821	10,834	9,542	10,123	10,241	10,235	-0.1	13.5	5.7	5.9	10,821	10,241	5.7
<b>71</b>	<b>Arts, entertainment, and recreation</b>	<b>61,238</b>	<b>69,277</b>	<b>72,783</b>	<b>67,624</b>	<b>59,994</b>	<b>66,826</b>	<b>-11.6</b>	<b>-4.8</b>	<b>2.1</b>	<b>3.7</b>	<b>61,238</b>	<b>59,994</b>	<b>2.1</b>
711	Performing arts, spectator sports, and related industries	24,229	33,308	32,784	28,648	25,261	32,321	-27.3	1.6	-4.1	3.1	24,229	25,261	-4.1
7111	Performing arts companies	3,874	4,379	4,330	4,140	3,972	4,205	-11.5	1.1	-2.5	4.1	3,874	3,972	-2.5
7112	Spectator sports	7,795	13,359	12,461	10,889	9,050	13,392	-41.6	7.2	-13.9	-0.2	7,795	9,050	-13.9
7113	Promoters of performing arts, sports, and similar events	6,251	8,310	8,868	7,389	5,972	7,206	-24.8	-6.3	4.7	15.3	6,251	5,972	4.7
7114	Agents and managers for artists, athletes, entertainers, and other public figures	2,172	2,421	2,271	1,986	1,894	2,232	-10.3	6.6	14.7	8.5	2,172	1,894	14.7
7115	Independent artists, writers, and performers	4,137	4,839	4,854	4,244	4,373	5,286	-14.5	-0.3	-5.4	-8.5	4,137	4,373	-5.4
712	Museums, historical sites, and similar institutions	3,185	4,245	3,954	4,106	3,427	4,202	-25.0	7.4	-7.1	1.0	3,185	3,427	-7.1
713	Amusement, gambling, and recreation industries	33,824	31,724	36,045	34,870	31,306	30,303	6.6	-12.0	8.0	4.7	33,824	31,306	8.0
7131	Amusement parks and arcades	4,462	5,054	6,977	5,881	3,925	4,483	-11.7	-27.6	13.7	12.7	4,462	3,925	13.7
7132	Gambling industries	8,049	7,579	7,910	7,909	7,928	7,159	6.2	-4.2	1.5	5.9	8,049	7,928	1.5
7139	Other amusement and recreation industries	21,313	19,091	21,158	21,080	19,453	18,661	11.6	-9.8	9.6	2.3	21,313	19,453	9.6
<b>721</b>	<b>Accommodation</b>	<b>59,056</b>	<b>59,671</b>	<b>67,744</b>	<b>67,517</b>	<b>60,412</b>	<b>59,277</b>	<b>-1.0</b>	<b>-11.9</b>	<b>-2.2</b>	<b>0.7</b>	<b>59,056</b>	<b>60,412</b>	<b>-2.2</b>
7211	Traveler accommodation	57,562	58,241	65,189	65,476	58,862	57,991	-1.2	-10.7	-2.2	0.4	57,562	58,862	-2.2
7212	RV (recreational vehicle) parks and recreational camps	1,128	1,059	2,179	1,770	1,212	943	6.5	-51.4	-6.9	12.3	1,128	1,212	-6.9
7213	Rooming and boarding houses	366	371	376	271	338	343	-1.3	-1.3	8.3	8.2	366	338	8.3

**Table 1b. Selected Services - Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted**[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see [www.census.gov/services](http://www.census.gov/services)]

2012 NAICS code <sup>1</sup>	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		1Q 2018 (p)	4Q 2017	3Q 2017	2Q 2017	1Q 2017	4Q 2016	1Q 2018 from 4Q 2017 (p)	4Q 2017 from 3Q 2017	1Q 2018 from 1Q 2017 (p)	4Q 2017 from 4Q 2016	2018 (p)	2017	2018 from 2017 (p)
<b>81</b>	<b>Other services (except public administration) <sup>13</sup></b>	<b>136,099</b>	<b>158,746</b>	<b>142,548</b>	<b>141,142</b>	<b>133,369</b>	<b>144,054</b>	<b>-14.3</b>	<b>11.4</b>	<b>2.0</b>	<b>10.2</b>	<b>136,099</b>	<b>133,369</b>	<b>2.0</b>
811	Repair and maintenance .....	45,024	44,934	43,719	44,324	42,540	41,900	0.2	2.8	5.8	7.2	45,024	42,540	5.8
8111	Automotive repair and maintenance .....	29,630	28,733	28,197	28,560	27,520	27,323	3.1	1.9	7.7	5.2	29,630	27,520	7.7
8112	Electronic and precision equipment repair and maintenance .....	4,626	4,429	4,268	4,384	4,494	4,431	4.4	3.8	2.9	Z	4,626	4,494	2.9
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance .....	8,975	9,706	9,203	9,266	8,849	8,344	-7.5	5.5	1.4	16.3	8,975	8,849	1.4
8114	Personal and household goods repair and maintenance .....	1,793	2,066	2,051	2,114	1,677	1,802	-13.2	0.7	6.9	14.7	1,793	1,677	6.9
812	Personal and laundry services.....	27,612	28,100	27,153	27,963	26,747	27,207	-1.7	3.5	3.2	3.3	27,612	26,747	3.2
8121	Personal care services.....	S	S	S	S	9,453	9,257	S	S	S	S	S	9,453	S
8122	Death care services.....	4,819	4,705	4,520	4,811	5,042	4,872	2.4	4.1	-4.4	-3.4	4,819	5,042	-4.4
8123	Drycleaning and laundry services.....	7,366	7,243	7,022	6,925	6,632	6,706	1.7	3.1	11.1	8.0	7,366	6,632	11.1
8129	Other personal services.....	S	S	S	S	5,620	6,372	S	S	S	S	S	5,620	S
813	Religious, grantmaking, civic, professional, and similar organizations <sup>14</sup>	63,463	85,712	71,676	68,855	64,082	74,947	-26.0	19.6	-1.0	14.4	63,463	64,082	-1.0

(p) Preliminary estimate. Z Absolute value is less than .05.

S Estimate does not meet publication standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see [www.census.gov/quality/guidelines/index.html](http://www.census.gov/quality/guidelines/index.html).

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or [www.census.gov/eos/www/naics/](http://www.census.gov/eos/www/naics/).

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 7, 9, 12, and 13 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Includes NAICS 51113 (Book publishers), 51114 (Directory and mailing list publishers), and 51119 (Other publishers).

(6) Includes NAICS 5174 (Satellite telecommunications), and 5179 (Other telecommunications).

(7) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(8) Excludes NAICS 521 (Monetary authorities-central bank) and NAICS 525 (Funds, trusts, and other financial vehicles).

(9) Excludes NAICS 54112 (Offices of notaries).

(10) Includes all of NAICS 5413 (Architectural, engineering, and related services) except 54133 (Engineering services).

(11) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

(12) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(13) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

(14) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), and 81394 (Political organizations).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table 2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/services/qsc/cv.html](http://www.census.gov/services/qsc/cv.html). For NAICS 52, estimates may include unrealized gains (losses).



Table 2. Selected Services - Estimated Measures of Sampling Variability  
[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
		1Q 2018 (p)	4Q 2017	3Q 2017	2Q 2017	1Q 2017	4Q 2016	1Q 2018 from 4Q 2017 (p)	4Q 2017 from 3Q 2017	1Q 2018 from 1Q 2017 (p)	4Q 2017 from 4Q 2016	Coefficient of variation		Standard error
												2018 (p)	2017	2018 from 2017 (p)
	<b>Selected Services Total .....</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>0.8</b>	<b>1.4</b>	<b>1.4</b>	<b>0.2</b>	<b>0.2</b>	<b>0.3</b>	<b>1.9</b>	<b>0.8</b>	<b>1.4</b>	<b>0.3</b>
<b>22</b>	<b>Utilities .....</b>	<b>1.6</b>	<b>2.2</b>	<b>3.1</b>	<b>2.1</b>	<b>4.1</b>	<b>4.2</b>	<b>1.0</b>	<b>1.4</b>	<b>0.5</b>	<b>4.0</b>	<b>1.6</b>	<b>4.1</b>	<b>0.5</b>
2211	Electric power generation, transmission and distribution .....	2.8	3.2	3.5	2.5	5.0	4.9	0.5	1.5	0.7	5.1	2.8	5.0	0.7
2212	Natural gas distribution .....	4.8	4.5	5.3	5.7	2.9	3.0	2.4	5.5	1.3	5.9	4.8	2.9	1.3
2213	Water, sewage and other systems .....	4.9	4.6	5.3	5.1	7.9	7.3	2.9	2.5	2.1	10.0	4.9	7.9	2.1
<b>48-49</b>	<b>Transportation and warehousing .....</b>	<b>1.8</b>	<b>1.6</b>	<b>1.9</b>	<b>2.2</b>	<b>2.5</b>	<b>2.6</b>	<b>0.3</b>	<b>0.6</b>	<b>0.5</b>	<b>3.7</b>	<b>1.8</b>	<b>2.5</b>	<b>0.5</b>
481	Air transportation .....	1.9	1.7	1.5	1.5	2.9	3.8	0.5	1.6	1.7	4.0	1.9	2.9	1.7
483	Water transportation .....	8.8	7.8	7.9	7.7	2.8	3.2	1.0	0.4	1.2	12.1	8.8	2.8	1.2
4831	Deep sea, coastal, and Great Lakes water transportation .....	10.6	9.5	9.1	9.2	3.6	4.1	1.1	0.4	1.2	14.9	10.6	3.6	1.2
4832	Inland water transportation .....	3.9	3.7	4.6	3.7	3.9	4.6	0.6	2.3	1.5	5.0	3.9	3.9	1.5
484	Truck transportation .....	4.5	4.1	5.3	6.1	6.9	7.6	0.6	1.3	1.3	9.4	4.5	6.9	1.3
4841	General freight trucking .....	7.0	6.4	8.4	9.6	10.8	11.5	0.7	1.9	2.1	15.6	7.0	10.8	2.1
48412	General freight trucking, long-distance .....	4.0	3.9	4.1	4.0	11.6	12.3	1.1	1.8	3.0	14.1	4.0	11.6	3.0
4842	Specialized freight trucking .....	1.8	2.3	1.9	1.8	4.8	4.5	1.5	1.4	1.7	6.7	1.8	4.8	1.7
485	Transit and ground passenger transportation .....	3.5	2.5	3.4	3.7	6.5	6.2	1.3	1.4	1.8	4.9	3.5	6.5	1.8
486	Pipeline transportation .....	1.4	1.4	1.2	1.4	1.9	1.9	0.3	0.4	0.4	2.9	1.4	1.9	0.4
487	Scenic and sightseeing transportation .....	9.9	4.4	7.1	5.9	10.6	11.9	6.0	1.9	5.2	24.6	9.9	10.6	5.2
488	Support activities for transportation .....	4.1	3.6	3.3	4.0	6.4	6.5	0.8	1.1	2.0	9.4	4.1	6.4	2.0
492	Couriers and messengers .....	3.1	3.5	4.8	3.8	1.7	1.6	1.0	1.4	2.3	5.6	3.1	1.7	2.3
493	Warehousing and storage .....	6.3	5.7	5.6	5.3	6.3	6.8	1.2	1.9	1.5	10.5	6.3	6.3	1.5
<b>51</b>	<b>Information .....</b>	<b>1.4</b>	<b>1.5</b>	<b>1.6</b>	<b>1.4</b>	<b>1.3</b>	<b>1.3</b>	<b>0.3</b>	<b>0.3</b>	<b>0.5</b>	<b>1.7</b>	<b>1.4</b>	<b>1.3</b>	<b>0.5</b>
511	Publishing industries (except Internet) .....	2.9	2.9	2.3	2.3	5.5	5.3	0.4	1.1	1.6	5.5	2.9	5.5	1.6
51111	Newspaper publishers .....	4.5	4.3	4.5	4.6	4.1	4.4	0.3	0.9	1.0	5.5	4.5	4.1	1.0
51112	Periodical publishers .....	S	5.0	5.3	5.3	4.7	5.8	S	1.6	S	7.7	S	4.7	S
5111 pt	Book, directory and mailing list, and other publishers .....	3.3	4.1	3.2	3.2	4.5	4.2	1.6	3.0	1.4	4.6	3.3	4.5	1.4
5112	Software publishers .....	3.4	3.6	2.8	2.8	7.2	6.9	0.7	1.4	2.1	7.2	3.4	7.2	2.1
512	Motion picture and sound recording industries .....	1.3	0.8	1.1	1.2	3.4	4.0	1.0	0.8	0.7	3.4	1.3	3.4	0.7
515	Broadcasting (except Internet) .....	1.2	1.0	0.9	1.0	1.7	1.9	0.5	0.5	0.4	2.5	1.2	1.7	0.4
5151	Radio and television broadcasting .....	1.6	1.9	2.0	1.8	2.7	2.9	0.9	1.1	0.8	3.7	1.6	2.7	0.8
5152	Cable and other subscription programming .....	1.5	1.4	1.4	1.4	1.2	1.3	0.1	0.1	0.3	2.1	1.5	1.2	0.3
517	Telecommunications .....	1.4	1.4	1.6	1.5	1.7	1.7	0.1	0.8	0.7	1.3	1.4	1.7	0.7
5171	Wired telecommunications carriers .....	2.1	2.1	1.9	1.7	3.4	3.2	0.2	0.3	0.7	2.8	2.1	3.4	0.7
5172	Wireless telecommunications carriers (except satellite) .....	2.3	1.9	1.8	1.8	2.4	2.6	0.6	1.6	2.1	3.5	2.3	2.4	2.1
517 pt	Other telecommunications .....	4.1	3.9	4.7	4.3	3.3	3.5	0.5	0.9	0.8	6.9	4.1	3.3	0.8
518	Data processing, hosting, and related services .....	3.2	3.2	3.1	3.5	3.4	3.4	0.8	1.0	1.5	6.8	3.2	3.4	1.5
519	Other information services .....	4.5	5.2	5.7	5.6	4.5	3.6	1.6	1.2	2.3	7.7	4.5	4.5	2.3
<b>52</b>	<b>Finance and insurance .....</b>	<b>1.9</b>	<b>1.8</b>	<b>1.9</b>	<b>1.9</b>	<b>4.7</b>	<b>5.3</b>	<b>0.3</b>	<b>0.4</b>	<b>0.4</b>	<b>5.5</b>	<b>1.9</b>	<b>4.7</b>	<b>0.4</b>
52 pt	Finance and insurance (except monetary authorities-central bank) .....	2.0	1.9	1.9	1.9	4.8	5.4	0.3	0.4	0.4	5.6	2.0	4.8	0.4
521	Monetary authorities-central bank .....	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
522	Credit intermediation and related activities .....	2.0	1.9	1.9	1.9	4.2	4.5	0.3	0.3	0.7	5.5	2.0	4.2	0.7
5221	Depository credit intermediation .....	3.6	3.9	3.7	3.6	7.6	7.9	0.6	0.5	0.8	9.7	3.6	7.6	0.8
5222	Nondepository credit intermediation .....	3.3	3.1	3.3	3.3	4.0	4.3	0.3	0.4	1.0	6.0	3.3	4.0	1.0
5223	Activities related to credit intermediation .....	2.6	2.7	2.6	2.3	3.6	3.0	0.6	0.5	0.9	4.4	2.6	3.6	0.9
523	Securities, commodity contracts, and other financial investments and related activities .....	4.5	4.1	4.6	4.5	4.0	4.0	2.0	0.7	2.7	5.7	4.5	4.0	2.7
5231	Securities and commodity contracts intermediation and brokerage .....	9.2	9.1	9.0	9.3	7.1	7.5	4.2	1.2	5.4	9.0	9.2	7.1	5.4
5232	Securities and commodity exchanges .....	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z
5239	Other financial investment activities .....	2.9	3.0	3.1	2.8	4.9	4.9	1.1	0.8	0.9	7.3	2.9	4.9	0.9
524	Insurance carriers and related activities .....	2.5	2.2	2.2	2.1	7.1	8.0	0.5	0.6	0.6	7.7	2.5	7.1	0.6
5241	Insurance carriers .....	3.0	2.7	2.7	2.6	8.2	9.2	0.4	0.5	0.7	9.3	3.0	8.2	0.7
5242	Agencies, brokerages, and other insurance related activities .....	2.9	2.2	2.4	2.4	4.5	3.8	1.2	1.3	1.2	5.1	2.9	4.5	1.2
<b>53</b>	<b>Real estate and rental and leasing .....</b>	<b>1.7</b>	<b>1.6</b>	<b>1.7</b>	<b>2.0</b>	<b>4.7</b>	<b>4.8</b>	<b>0.4</b>	<b>0.5</b>	<b>0.9</b>	<b>5.5</b>	<b>1.7</b>	<b>4.7</b>	<b>0.9</b>
531	Real estate .....	2.9	2.6	2.9	2.9	6.3	6.5	0.6	0.7	1.2	7.2	2.9	6.3	1.2
5311	Lessors of real estate .....	4.3	4.0	4.5	4.3	7.8	8.2	0.9	0.8	1.5	9.0	4.3	7.8	1.5
5312	Offices of real estate agents and brokers .....	3.1	4.3	3.2	3.6	11.6	10.7	1.1	1.8	2.4	13.5	3.1	11.6	2.4
5313	Activities related to real estate .....	2.7	2.5	2.2	2.1	7.4	6.1	1.0	1.5	1.4	5.2	2.7	7.4	1.4
532	Rental and leasing services .....	2.7	3.0	3.0	3.5	4.4	4.6	0.8	0.5	1.3	6.4	2.7	4.4	1.3
5321	Automotive equipment rental and leasing .....	2.2	1.7	1.8	2.8	3.3	3.4	1.1	0.6	1.8	4.5	2.2	3.3	1.8
53211	Passenger car rental and leasing .....	4.1	3.3	3.6	5.1	3.4	3.3	1.3	0.4	2.5	5.3	4.1	3.4	2.5
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing .....	3.8	4.2	3.6	4.0	5.2	5.6	1.3	1.2	1.5	9.7	3.8	5.2	1.5
5322	Consumer goods rental .....	8.1	8.2	7.0	6.7	8.9	10.3	3.8	2.0	3.4	12.0	8.1	8.9	3.4
5323	General rental centers .....	S	S	S	S	S	S	S	S	S	S	S	S	S
5324	Commercial and industrial machinery and equipment rental and leasing .....	7.3	7.6	7.8	7.9	6.1	6.4	1.2	1.0	2.2	11.7	7.3	6.1	2.2
533	Lessors of nonfinancial intangible assets (except copyrighted works) .....	5.5	4.5	6.6	5.0	6.6	5.7	1.3	2.2	1.5	8.2	5.5	6.6	1.5

Table 2. Selected Services - Estimated Measures of Sampling Variability  
[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		1Q 2018 (p)	4Q 2017	3Q 2017	2Q 2017	1Q 2017	4Q 2016	1Q 2018 from 4Q 2017 (p)	4Q 2017 from 3Q 2017	1Q 2018 from 1Q 2017 (p)	4Q 2017 from 4Q 2016	2018 (p)	2017	2018 from 2017 (p)
54	Professional, scientific, and technical services .....	1.8	1.9	1.8	1.7	1.6	2.1	0.6	0.6	0.7	3.1	1.8	1.6	0.7
5411	Legal services .....	3.3	3.9	2.7	2.3	3.1	3.7	2.0	3.1	1.3	5.0	3.3	3.1	1.3
5412	Accounting, tax preparation, bookkeeping, and payroll services .....	1.2	2.9	2.3	1.9	3.4	4.4	3.0	1.7	1.2	4.3	1.2	3.4	1.2
5413	Architectural, engineering, and related services .....	3.7	3.4	3.6	3.9	4.1	5.5	1.7	1.2	2.2	10.1	3.7	4.1	2.2
5413 pt	Architectural and related services .....	4.4	6.3	5.8	6.8	4.7	8.6	4.4	4.8	3.6	12.0	4.4	4.7	3.6
54133	Engineering services .....	4.6	3.5	4.2	3.6	5.2	6.6	2.0	1.2	2.1	12.1	4.6	5.2	2.1
5414	Specialized design services.....	3.7	5.8	5.1	4.1	3.8	4.5	3.8	5.2	2.1	7.5	3.7	3.8	2.1
5415	Computer systems design and related services .....	1.1	1.8	2.4	2.4	6.1	5.9	1.2	1.4	1.9	5.7	1.1	6.1	1.9
5416	Management, scientific, and technical consulting services .....	4.0	4.1	3.4	2.6	5.6	5.4	0.9	1.5	1.8	6.9	4.0	5.6	1.8
5417	Scientific research and development services .....	8.4	7.3	8.5	7.4	4.7	7.3	1.0	1.6	1.4	11.9	8.4	4.7	1.4
5418	Advertising, public relations, and related services .....	2.1	1.6	1.6	1.9	3.6	3.4	1.0	0.6	1.1	4.3	2.1	3.6	1.1
5419	Other professional, scientific, and technical services.....	5.1	4.5	5.0	4.4	8.4	7.7	1.3	1.9	3.2	10.6	5.1	8.4	3.2
56	Administrative and support and waste management and remediation services .....	2.3	2.4	2.5	2.3	1.3	1.3	0.7	0.7	1.0	3.5	2.3	1.3	1.0
561	Administrative and support services .....	2.5	2.6	2.7	2.4	1.8	1.9	0.7	0.6	1.0	4.3	2.5	1.8	1.0
5613	Employment services .....	4.6	4.3	4.8	4.5	5.0	4.5	1.2	0.7	2.4	6.7	4.6	5.0	2.4
5615	Travel arrangement and reservation services .....	4.2	4.0	4.2	3.5	7.6	7.3	1.1	1.8	2.9	11.0	4.2	7.6	2.9
561 pt	Other administrative and support services .....	2.8	2.9	2.9	2.2	3.9	3.7	1.0	0.9	1.1	6.1	2.8	3.9	1.1
562	Waste management and remediation services .....	1.9	2.3	3.4	2.9	3.7	4.0	1.0	1.2	1.4	5.2	1.9	3.7	1.4
61	Educational services .....	4.0	2.8	3.0	1.9	5.7	5.2	2.2	1.9	2.3	5.8	4.0	5.7	2.3
6114	Business schools and computer and management training .....	8.2	7.3	7.1	6.1	18.0	18.0	3.1	3.6	3.9	18.7	8.2	18.0	3.9
6115	Technical and trade schools .....	5.9	6.3	4.4	5.4	12.2	11.7	3.3	2.5	3.9	12.5	5.9	12.2	3.9
6116	Other schools and instruction.....	7.4	7.7	7.1	S	S	5.8	5.8	4.3	S	12.3	7.4	S	S
6117	Educational support services .....	3.0	4.7	6.0	2.8	4.3	4.2	2.2	3.0	1.9	5.8	3.0	4.3	1.9
62	Health care and social assistance .....	1.5	1.3	1.3	1.4	2.2	1.9	0.2	0.3	0.5	1.5	1.5	2.2	0.5
621	Ambulatory health care services .....	1.5	1.3	1.3	1.2	2.1	2.0	0.3	0.4	1.0	2.2	1.5	2.1	1.0
6211	Offices of physicians.....	2.6	2.4	2.4	2.7	5.8	5.4	0.5	0.7	1.5	5.7	2.6	5.8	1.5
6212	Offices of dentists.....	4.5	4.2	4.0	3.1	S	S	1.1	1.7	S	S	4.5	S	S
6213	Offices of other health practitioners .....	4.2	4.4	3.9	S	5.2	4.6	1.1	1.9	2.4	8.2	4.2	5.2	2.4
6214	Outpatient care centers .....	2.8	3.4	2.9	2.6	3.6	4.2	0.7	0.6	0.8	6.1	2.8	3.6	0.8
6215	Medical and diagnostic laboratories .....	3.9	3.6	3.2	3.2	4.1	4.1	1.1	0.9	2.1	6.9	3.9	4.1	2.1
6216	Home health care services .....	6.6	6.6	6.1	5.9	3.9	3.6	0.9	1.1	2.3	5.9	6.6	3.9	2.3
6219	Other ambulatory health care services .....	4.1	4.0	3.5	3.6	5.4	5.7	1.0	1.0	1.3	6.0	4.1	5.4	1.3
622	Hospitals .....	2.6	2.4	2.5	2.5	3.8	3.7	0.3	0.3	0.3	2.6	2.6	3.8	0.3
6221	General medical and surgical hospitals.....	2.6	2.3	2.4	2.5	4.0	4.0	0.3	0.3	0.4	2.9	2.6	4.0	0.4
6222	Psychiatric and substance abuse hospitals.....	5.2	4.9	5.2	5.8	8.2	9.3	0.5	1.1	1.9	6.3	5.2	8.2	1.9
6223	Specialty (except psychiatric and substance abuse) hospitals.....	6.6	7.5	7.6	7.1	7.3	7.1	0.8	0.6	0.9	13.0	6.6	7.3	0.9
623	Nursing and residential care facilities .....	2.1	1.8	2.0	2.4	4.5	4.6	0.5	0.8	1.2	4.6	2.1	4.5	1.2
624	Social assistance .....	2.3	2.2	2.6	2.1	3.3	3.0	1.0	1.3	1.5	4.4	2.3	3.3	1.5
6241	Individual and family services.....	4.3	3.7	3.7	3.7	3.5	3.1	1.3	2.0	1.7	4.5	4.3	3.5	1.7
6242	Community food and housing, and emergency and other relief services .....	4.6	6.2	6.1	6.3	4.4	4.2	1.9	2.3	2.1	8.2	4.6	4.4	2.1
6243	Vocational rehabilitation services .....	10.0	11.3	10.9	9.3	8.0	9.4	2.3	1.7	2.5	15.8	10.0	8.0	2.5
6244	Child day care services .....	5.8	4.9	5.7	4.2	6.4	6.8	1.9	4.2	3.5	14.8	5.8	6.4	3.5
71	Arts, entertainment, and recreation.....	2.8	2.6	2.3	2.4	3.0	3.6	1.2	1.5	1.9	3.9	2.8	3.0	1.9
711	Performing arts, spectator sports, and related industries .....	4.7	2.3	1.3	3.0	3.7	3.8	2.7	2.6	1.9	5.6	4.7	3.7	1.9
7111	Performing arts companies.....	4.5	4.3	5.5	4.6	6.3	7.0	3.2	6.7	3.5	11.6	4.5	6.3	3.5
7112	Spectator sports.....	7.4	3.2	3.2	3.3	11.9	8.6	4.2	3.1	3.3	10.1	7.4	11.9	3.3
7113	Promoters of performing arts, sports, and similar events.....	7.6	5.5	5.1	6.2	7.9	2.2	5.4	4.8	5.1	6.6	7.6	7.9	5.1
7114	Agents and managers for artists, athletes, entertainers, and other public figures .....	8.9	5.6	3.6	4.9	11.2	11.3	7.2	2.8	8.7	23.1	8.9	11.2	8.7
7115	Independent artists, writers, and performers.....	6.1	7.7	9.4	8.7	16.0	12.9	4.0	7.0	7.5	23.9	6.1	16.0	7.5
712	Museums, historical sites, and similar institutions.....	6.5	8.6	9.0	9.0	6.3	5.4	2.9	2.6	5.3	9.9	6.5	6.3	5.3
713	Amusement, gambling, and recreation industries.....	5.4	5.1	4.3	4.3	5.7	5.3	0.8	1.2	2.7	7.1	5.4	5.7	2.7
7131	Amusement parks and arcades.....	3.8	2.8	5.9	6.2	5.9	4.5	1.1	2.9	2.3	6.4	3.8	5.9	2.3
7132	Gambling industries.....	15.5	14.7	13.8	13.6	11.3	10.8	1.9	1.2	2.1	22.1	15.5	11.3	2.1
7139	Other amusement and recreation industries.....	2.9	3.7	2.2	1.8	6.3	6.4	1.3	2.0	4.9	8.4	2.9	6.3	4.9
721	Accommodation .....	1.1	1.4	1.4	1.6	2.9	3.5	0.5	0.6	1.1	4.3	1.1	2.9	1.1
7211	Traveler accommodation .....	1.2	1.5	1.4	1.7	2.9	3.5	0.5	0.6	1.1	4.2	1.2	2.9	1.1
7212	RV (recreational vehicle) parks and recreational camps .....	5.4	5.4	5.3	5.4	6.9	7.5	6.1	2.7	4.1	15.2	5.4	6.9	4.1
7213	Rooming and boarding houses .....	6.4	7.5	3.4	9.2	7.3	11.9	3.1	5.2	5.3	18.9	6.4	7.3	5.3

Table 2. Selected Services - Estimated Measures of Sampling Variability  
[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		1Q 2018 (p)	4Q 2017	3Q 2017	2Q 2017	1Q 2017	4Q 2016	1Q 2018 from 4Q 2017 (p)	4Q 2017 from 3Q 2017	1Q 2018 from 1Q 2017 (p)	4Q 2017 from 4Q 2016	2018 (p)	2017	2018 from 2017 (p)
81	Other services (except public administration) .....	3.8	2.6	1.8	2.4	2.3	2.4	2.5	3.1	2.2	5.2	3.8	2.3	2.2
811	Repair and maintenance .....	4.1	4.1	4.8	3.6	5.0	4.4	0.8	1.0	1.4	8.1	4.1	5.0	1.4
8111	Automotive repair and maintenance .....	7.0	7.2	7.7	6.8	7.8	7.9	1.1	1.2	2.2	11.4	7.0	7.8	2.2
8112	Electronic and precision equipment repair and maintenance .....	4.3	3.8	4.7	5.3	21.3	21.6	2.1	3.1	4.7	13.5	4.3	21.3	4.7
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance .....	9.7	10.2	10.0	8.9	9.5	9.7	1.9	1.6	3.5	37.8	9.7	9.5	3.5
8114	Personal and household goods repair and maintenance .....	8.2	9.2	7.8	8.8	16.8	14.8	1.6	3.8	4.1	26.0	8.2	16.8	4.1
812	Personal and laundry services.....	2.5	2.7	2.9	3.0	4.2	4.1	1.0	1.0	1.6	3.3	2.5	4.2	1.6
8121	Personal care services.....	S	S	S	S	8.9	9.4	S	S	S	S	S	8.9	S
8122	Death care services.....	4.8	4.9	4.0	4.6	8.8	8.0	1.9	4.2	3.6	8.6	4.8	8.8	3.6
8123	Drycleaning and laundry services.....	5.9	5.1	4.6	4.6	10.4	10.2	1.6	1.9	3.7	12.0	5.9	10.4	3.7
8129	Other personal services.....	S	S	S	S	8.1	8.0	S	S	S	S	S	8.1	S
813	Religious, grantmaking, civic, professional, and similar organizations .....	7.1	4.4	2.1	4.5	3.2	2.8	4.3	6.1	4.2	7.3	7.1	3.2	4.2

(p) Preliminary estimate. Z Absolute value is less than .05.  
S Corresponding estimate in Table 1a and/or 1b does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Standard errors for percent changes that include estimates prior to Q1 2017 may be larger than those previously published because the estimated totals used to produce the percent changes are derived from different samples. Additional information on confidentiality protection, sampling error, nonsampling errors, sample design, and definitions may be found at [www.census.gov/services/qss/cv/html](http://www.census.gov/services/qss/cv/html).

## EXPLANATORY NOTES

### Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The current total sample size is approximately 19,500 employer firms.

Each quarter, questionnaires are mailed to a probability sample of employer firms selected from the larger Service Annual Survey sample. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new services businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. The following table lists imputation rates of total quarterly revenue for the industries published in the QSS:

2012 NAICS Code	Kind of Business	Imputation Rate of Total Quarterly Revenue (in %)
	Selected Services Total	28
22	Utilities	9
48-49	Transportation and warehousing	26
51	Information	22
52	Finance and insurance	17
53	Real estate and rental and leasing	40
54	Professional, scientific, and technical services	40
56	Administrative and support and waste management and remediation services	40
61	Educational services	42
62	Health care and social assistance	35
71	Arts, entertainment, and recreation	36
721	Accommodation	36
81	Other services (except public administration)	42

Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The estimates are benchmarked using results of the latest SAS. Additional information on the QSS can be found on the Census Bureau website at [www.census.gov/services/](http://www.census.gov/services/).

### Description of Seasonal Adjustment

To derive the seasonally adjusted revenue estimates published in this report, we used all available quarterly

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revenue estimates as input to the Census Bureau's X-13 ARIMA-SEATS program. With each non-advance quarterly release, we publish preliminary seasonally adjusted estimates for the current quarter and revised seasonally adjusted estimates for the previous five quarters. The seasonal adjustment models used to derive seasonal factors for each kind of business are evaluated annually and will not be revised until the next benchmarking operation. For a table of the seasonal adjustment factors, see [www.census.gov/services/qss/qssseasfactors.xls](http://www.census.gov/services/qss/qssseasfactors.xls). A list of "Frequently Asked Questions" on seasonal adjustment of QSS estimates is available at [www.census.gov/services/qss/seasonally\\_adjusted\\_faqs](http://www.census.gov/services/qss/seasonally_adjusted_faqs).

## Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error. Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error. Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation. The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Table 2 of this report.

The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the "margin of error." The margin of error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.895 standard errors below to 1.895 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is  $\pm 1.5$  percentage points, then

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the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted. Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.

Additional information regarding the methodology used in conducting this survey is available at [www.census.gov/services/qss/how\\_the\\_data\\_are\\_collected](http://www.census.gov/services/qss/how_the_data_are_collected).

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